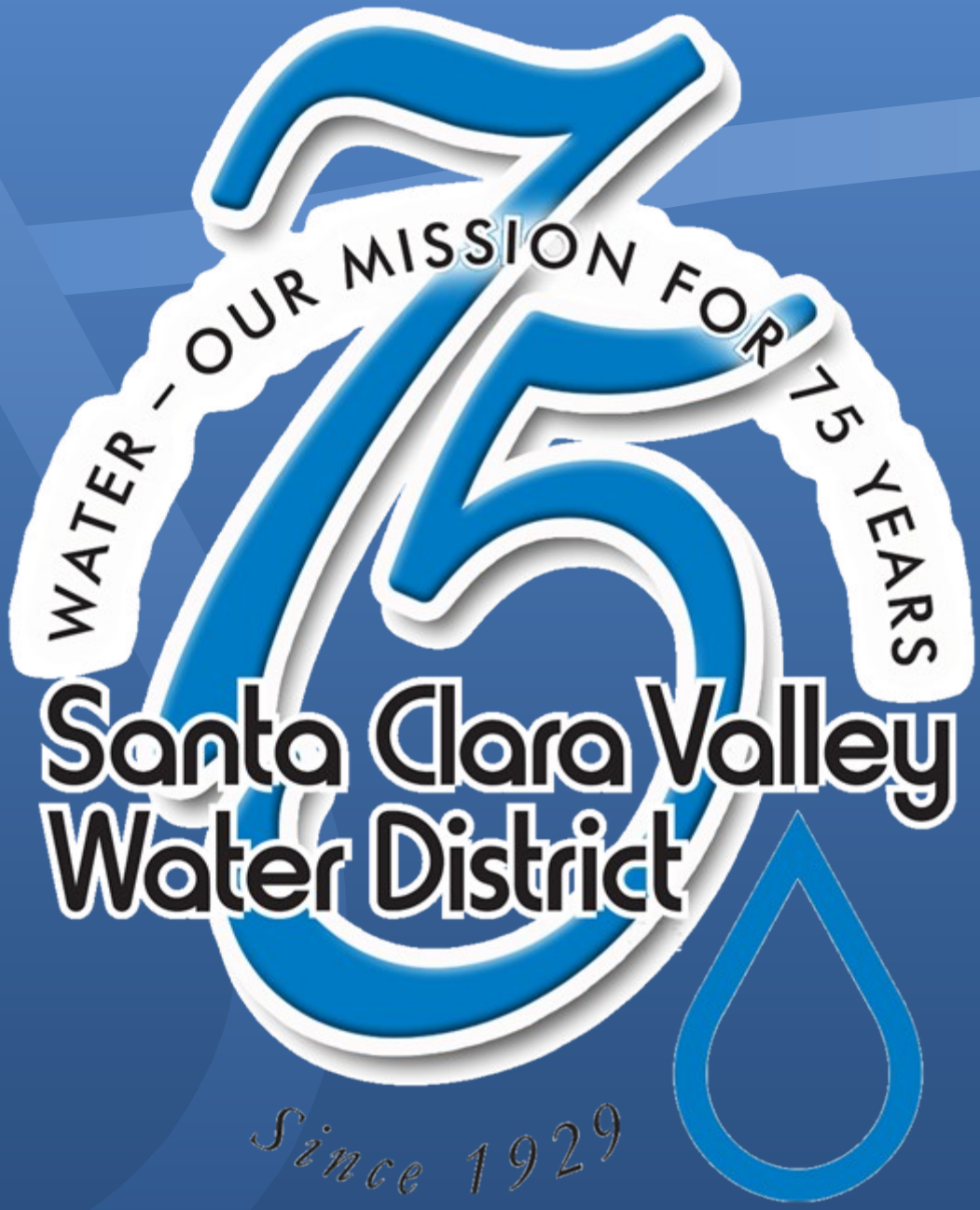

WATER – OUR MISSION FOR 75 YEARS
Santa Clara Valley
Water District
Since 1929

Guadalupe River:

The Rediscovery of a Natural Resource in San Jose's Urban Core

Presented by

Dave Chesterman

Deputy Operating Officer

Santa Clara Valley Water District

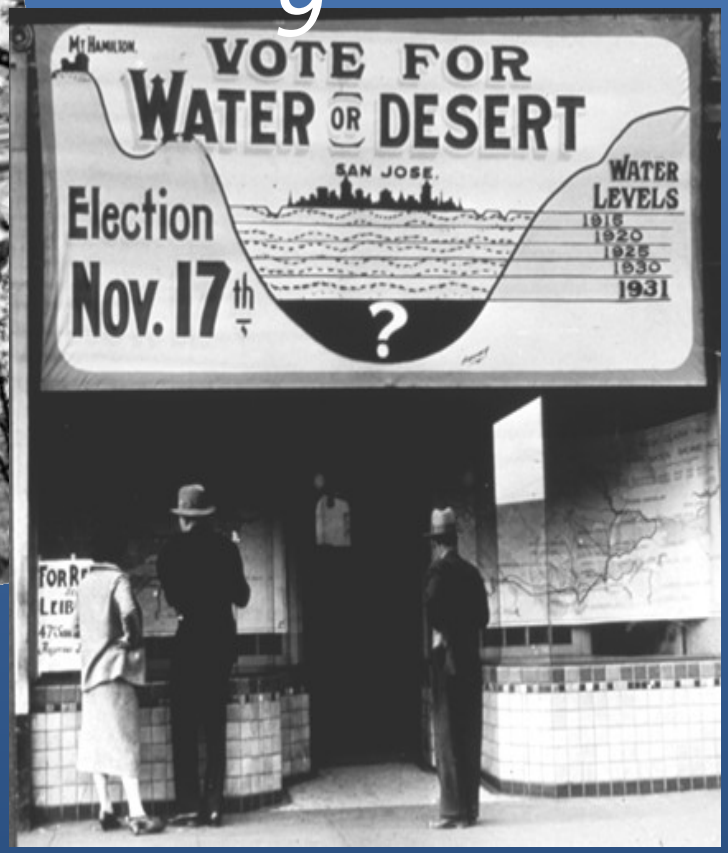
One local agency manages the county's water resources

Santa Clara County

- 1,300 square miles
- 1.7 million population
- 15 municipalities
- 10 local reservoirs
- 400,000 acre-feet of drinking water
- 800 miles of creeks & rivers

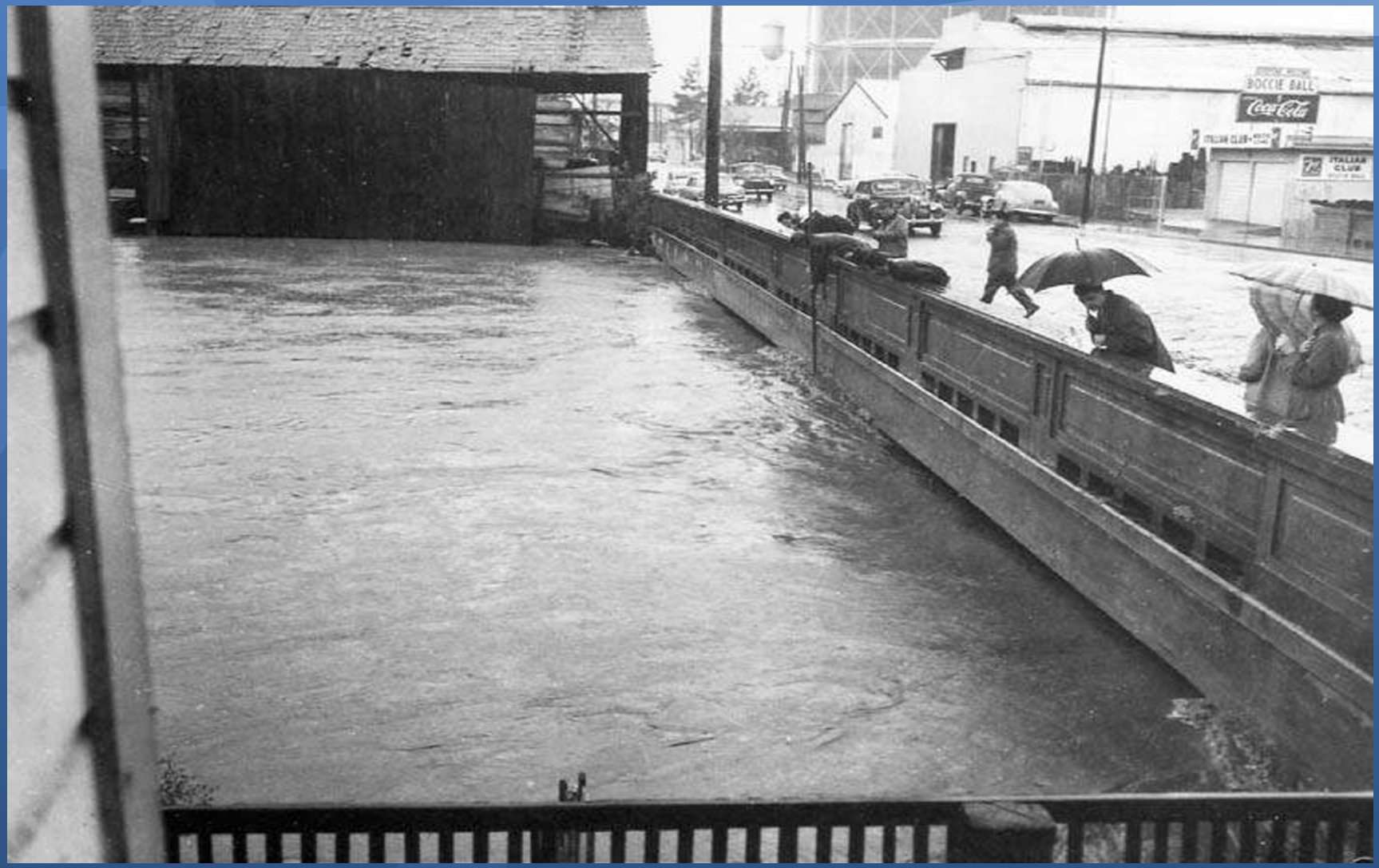
“Valley of the Heart’s Delight”

1929



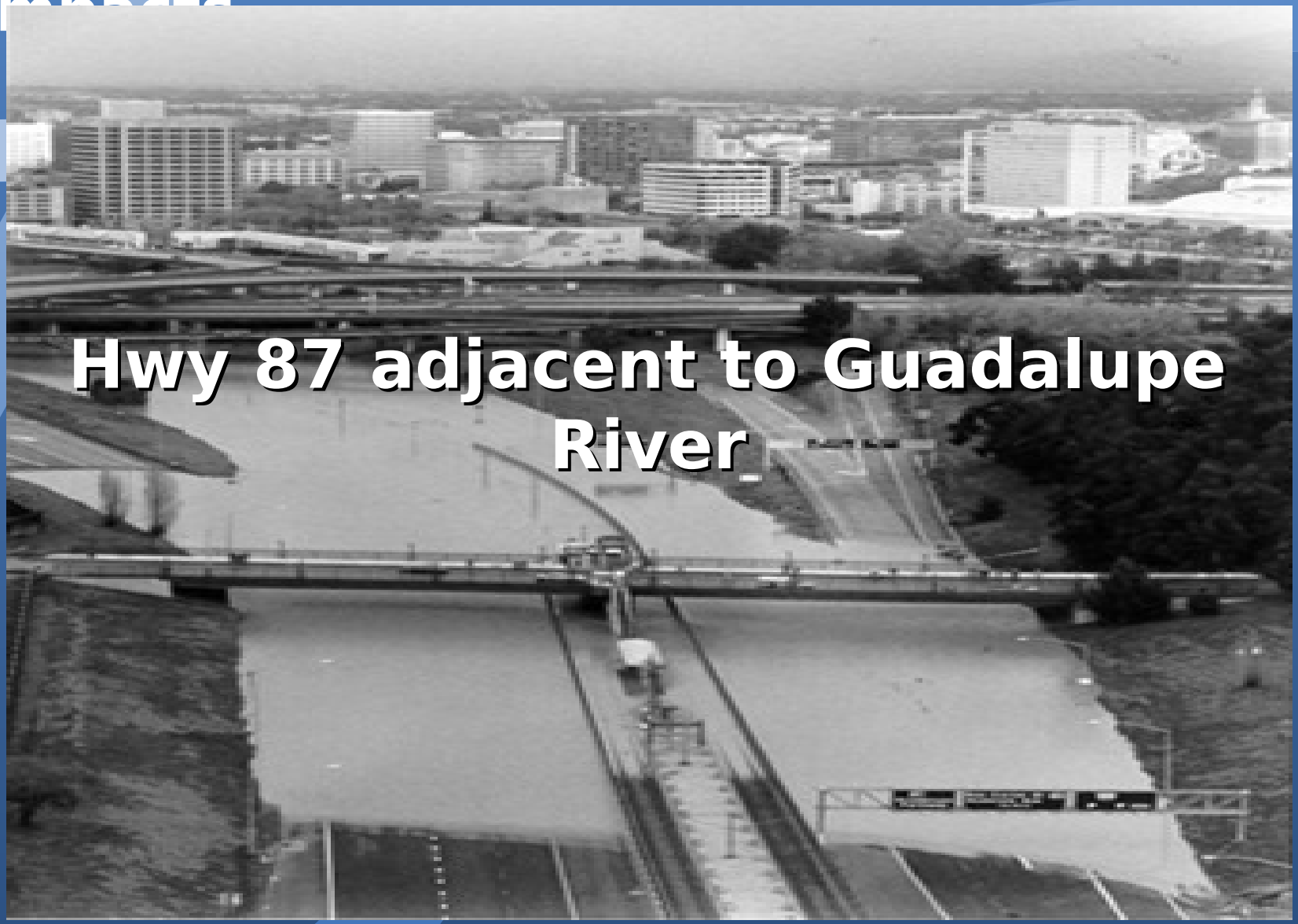
Today: “Silicon Valley”

Long History of Flooding



Flood event causes over $1 billion in damages

1995 FLOOD EVENT: Transportation Impacts



Guadalupe River Park and Flood Protection Project

"At a time when government-bashing is an overplayed sport, the Guadalupe flood-control, river-restoration project is a great example of how government can get it right."— San Jose Mercury News editorial, June 24, 2002

- **Flood protection** for downtown, improved **wildlife habitat** and **recreational open space**
- Flood protection component completed in December 2004, dedicated January 2005
- Recreation elements opened in September 2005

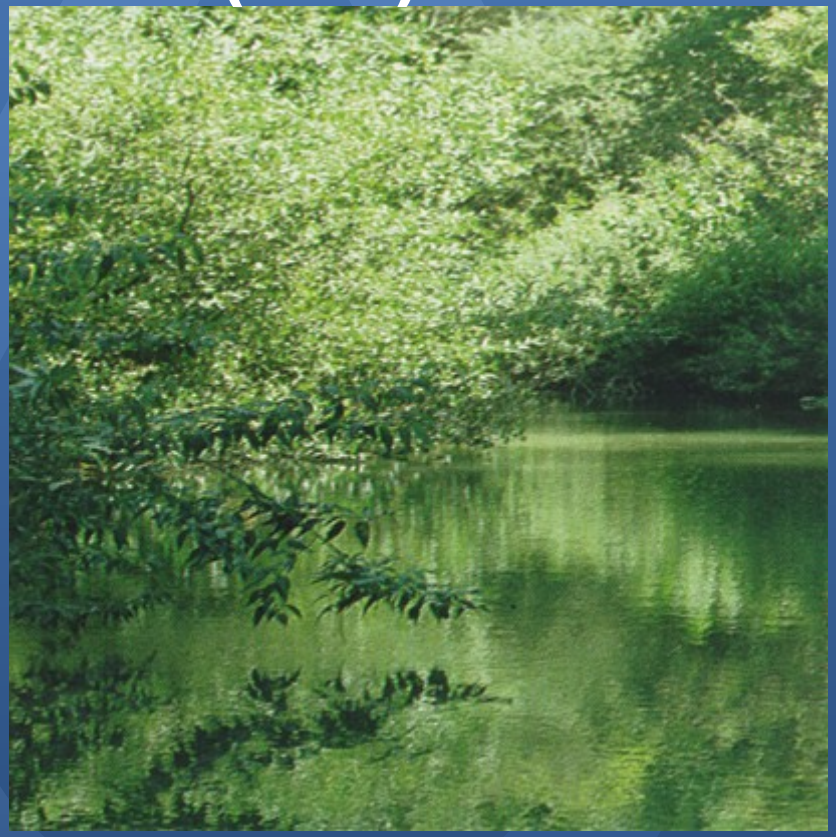
Project History

- Construction started in ‘92
- Downstream reach completed
- ESA developments
- NOI to Sue filed
- Project halted in ‘96

San Jose International Airport Flight Path

Concern with Remaining Portion of Project

Loss of shaded riverine aquatic (SRA) cover



Potential to harm steelhead and Chinook salmon

Collaborative Process
Initiated Dec ‘97

- Army Corps of Engineers
- City of San Jose
- San Jose Redev Agency
- RWQCB
- USFWS
- State Fish & Game
- SWRCB
- Potential Litigants
- SCVWD

Dispute Resolution Memorandum

Signed Sep ‘98

- Underground bypass of 2700 ft (Santa Clara St to Coleman Ave)
- Guadalupe Creek Restoration Project
- Infill planting of SRA
- ‘Adaptive Management’ approach
- Adaptive Management Team

Guadalupe Creek Project

1.7 miles long

Key Issue: Water Temperature

Cost: $7 million

Before

After Mitigation

Restarted Construction in 2001

Woz Way Bypass Inlet Structure at Interstate 280

Woz Way Inlet Structure

Benefits of Bypass

1) Maintains lower water temperatures

Santa Clara Street

Inlet Structure at Santa Clara Street

Protected River Channel:
Lower Water Temperatures

FISHERIES BENEFITS
Fish Barrier Removal

After Barrier Removal

RECREATIONAL BENEFITS:

Original Concept Rejected

Trail elements

Park elements

Confluence Park East

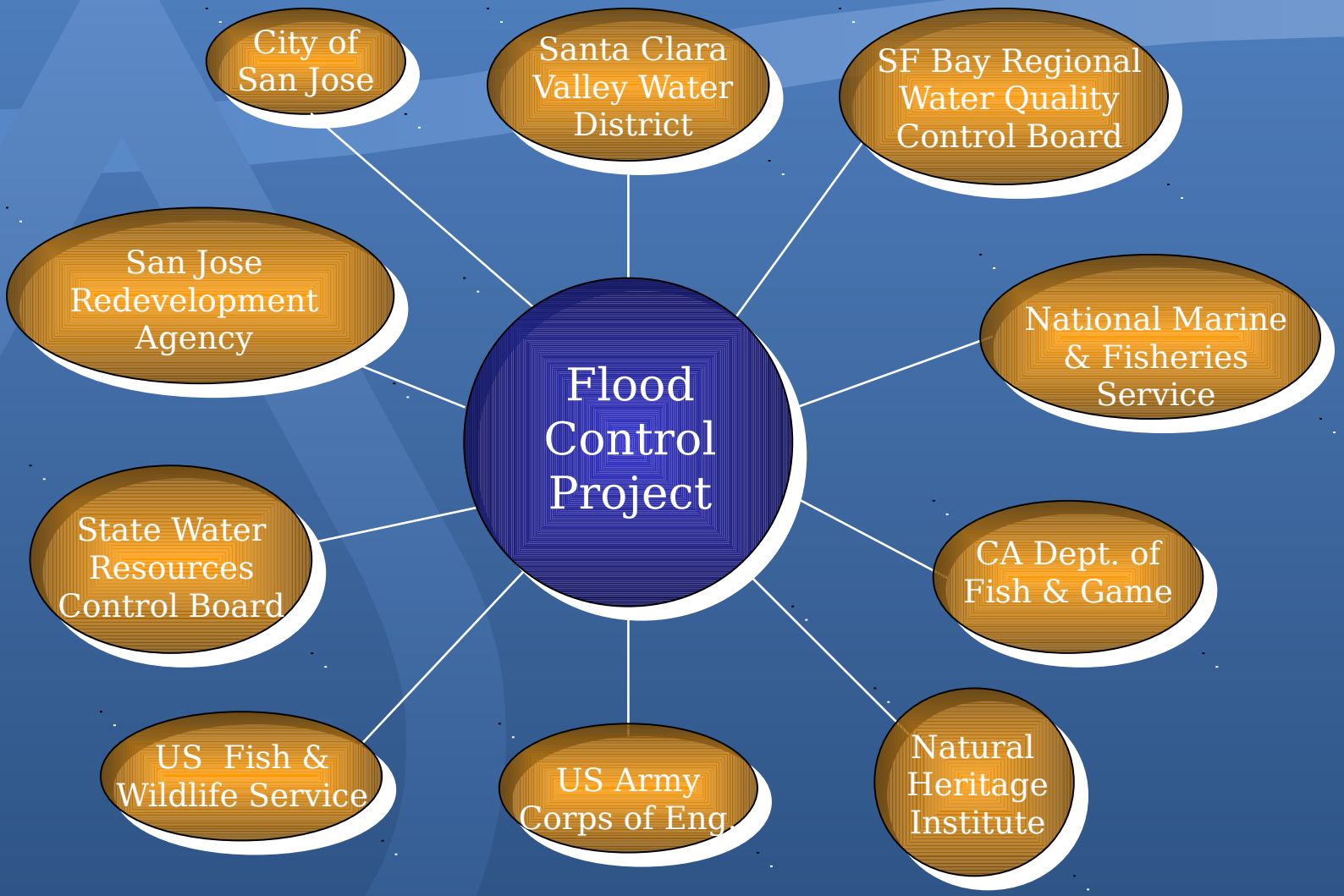
Project Costs

- **Flood Control = $ 253 million (Corps of Engineers and District)**
- **Recreational Elements = $97 million (San Jose Redevelopment Agency/City)**
- **Total= $350 million**

LESSONS LEARNED

How do you balance habitat values, economic development, flood protection and public access??

1. Collaboration Requires Trust


Flood Control Project
City of San Jose
Santa Clara Valley Water District
SF Bay Regional Water Quality Control Board
San Jose Redevelopment Agency
National Marine & Fisheries Service
State Water Resources Control Board
CA Dept. of Fish & Game
US Fish & Wildlife Service
US Army Corps of Eng.
Natural Heritage Institute

2. Early Mitigation

Builds trust and reduces impacts

Before Mitigatio

After Mitigation

3. Agree on Measurable Goals

Balance Economic Development and Environmental Goals

Water District Partnership with Cities

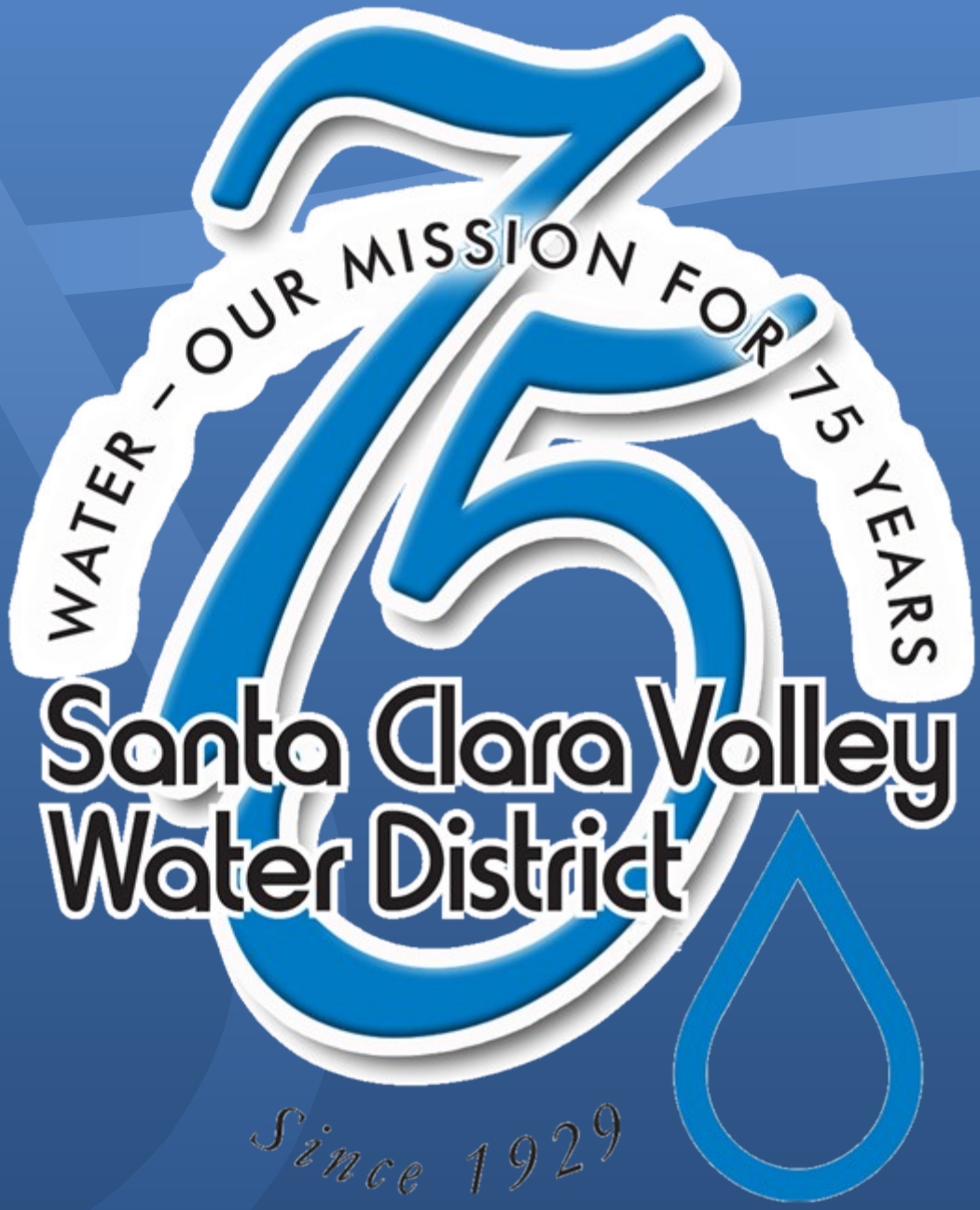
4. Adaptive Management

Annual review by AMT recommends projects to help protect steelhead habitat

Next Step: 'Watershed Approach'

Moving from '*Project by Project*' Goals to '*Watershed*' Goals

More cost effective use of limited public funds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Resources Saved to Fund Additional Restoration Projects

Fish ladders

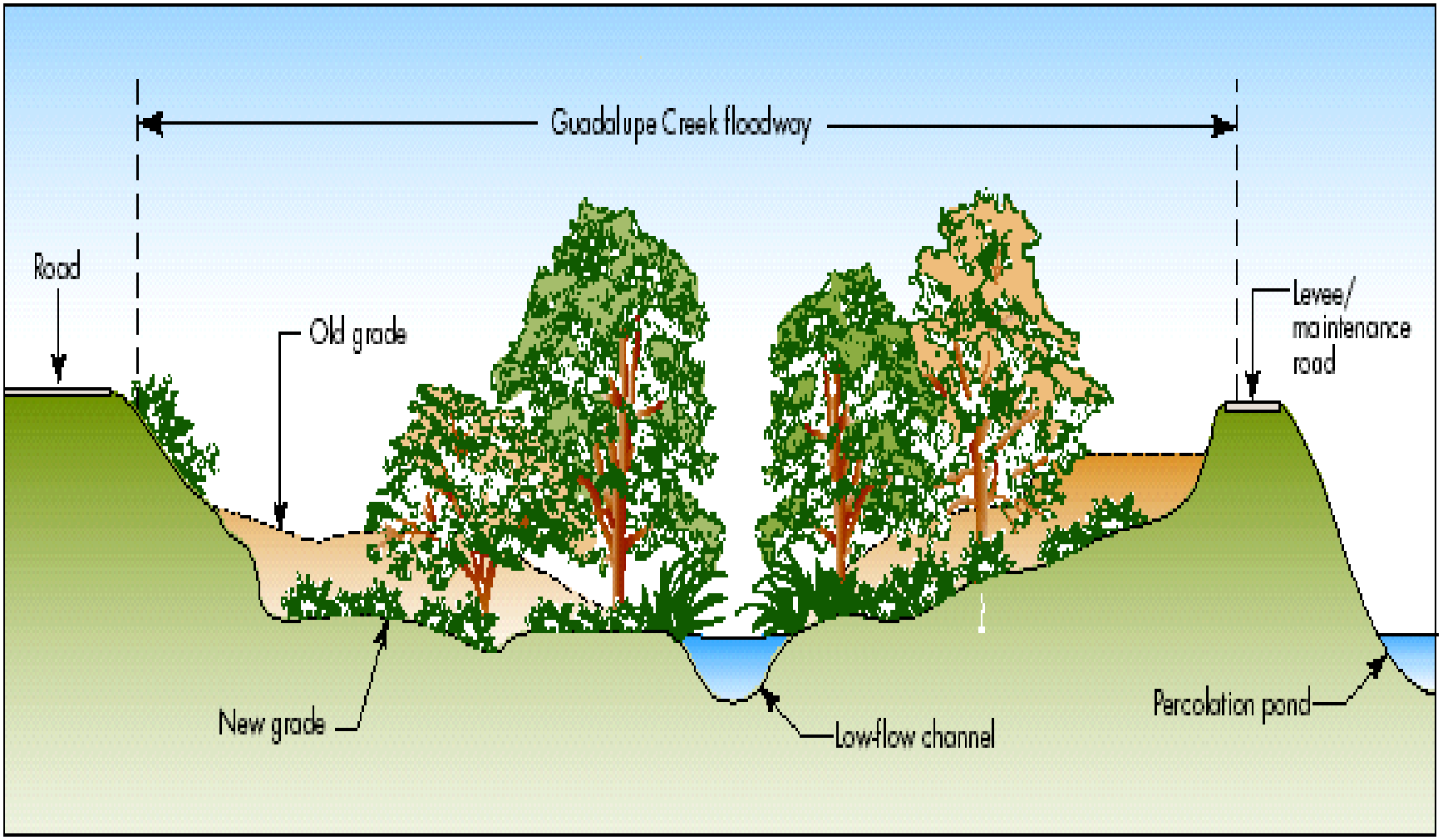
District Act revision

- **Water supply**
- **Flood protection**
- **and “enhance, protect and restore streams, riparian corridors and natural resources” in connection with carrying out other district functions**

As it looks today

Santa Clara looking upstream

Guadalupe Creek Mitigation Site (X-section/downstream of Meridian Avenue, looking upstream)



Woz Way Looking

- Guadalupe River Watershed